

motive force enough to sustain *two* motive systems at one and the same time: one is supplanted by the other. Ciliary is commuted into muscular motion. While studying the mechanism of respiration in the articulated animal, vibratile epithelium will therefore nowhere demand attention: its agency will be found to have been substituted by other instruments.

An exposition of the preceding general principles has seemed to the author indispensable to an intelligent study of the novel and extraordinary details, upon which it is proposed next to enter.

[To be continued.]

XV.—*Catalogue of Reptiles collected in Ceylon.*

By E. F. KELAART, M.D., F.L.S. &c.

Order SAURIA. Lizards.

Suborder I. LEPTOGLOSSÆ. Slender-tongued Lizards.

Fam. *Monitoridæ*. Monitors.

Monitor *Dracæna*, Gray.
Hydrosaurus *Salvator*, Wagler.

Fam. *Scincidæ*. The Scincs.

Riopa *punctata*, Gray.
— *Hardwickii*, Gray.
Mabouia *elegans* (?), Gray.
Tiliqua *rufescens*, Gray.

Fam. *Acontiadæ*.

Nessia *Burtoni* (?), Gray.
Acontias (?), *Layardi*, n. s., *nobis*.

Fam. *Typhlopsidæ*. Typhlops.

Argyrophis *Bramicus*, Daud. *Two varieties; one with a pale white streak beneath.

Fam. *Uropeltidæ*. Rough-tails.

Uropeltis *grandis*, n. s., *nobis*.
— *Saffragamus*, n. s., *nobis*.
— *pardalis*, n. s. *nobis*.
Rhinophis (?) *Blythii*, n. s., *nobis*.
Siluboura *Ceylonicus*, Gray.
Dapatnaya *Lankadivana*, n. s., *nobis*.
— *Trevelyanii*, n. s., *nobis*.

Suborder II. PACHYGLOSSÆ. Thick-tongued Lizards.

Fam. *Geckotidæ*. The Geckos.

- Hemidactylus trihedrus*, Lesson.
 — *maculatus*, Dum. et Bib.
 — *Pieresii*, n. s., *nobis* (Prod. Faunæ Zeylanicæ, p. 159).
 — *Coctæi*, Dum. et Bib.
 — *frenatus*, Schlegel.
 — *Leschenaultii*?, Dum. et Bib. apud Blyth.
Boltalia sublævis, Gray.
Peripia Peroni, Dum. et Bib.
Gymnodactylus (?) *Kandianus*, n. s., *nobis* (Prod. F. Z. p. 186).

Fam. *Agamidæ*. The Agamas.

- Litana Ponticereana*, Cuvier.
Lyriocephalus scutatus, Wagler.
Ceratophora Hoddartii, Gray.
Salea Jerdoni, Gray.
Calotes ophiomachus, Gray.
 — *Rouxi* (?), Gray, apud Blyth. — *C. viridis* (?), Gray, apud nos.
 — *mystaceus*, Dum. et Bib.
 — *versicolor*, Dum. et Bib.

Fam. *Chameleonidæ*. The Chameleons.

- Chameleo vulgaris*, Daud.

Order OPHIDIA. Serpents.

Innocuous Serpents.

Fam. *Boidæ*.

Burrowing.

- Cylindrophis maculata*, Wagler.

Terrestrial.

- Python molurus*, Gray.

Fam. *Colubridæ*, Bonaparte.

Terrestrial.

- Calamaria Scytale*?

- Lycodon*. Two or more species.

- Xenodon purpurascens*, Schlegel, var.

- Coluber Korros*, Reinwardt.

Arboreal.

- Dipsas multimaclata* (?), Schlegel.

- Drynius prasinus*, Reinwardt. Two or more varieties.

- Leptophis pictus*, Gmelin.

- *ornatus*, Shaw.

- sp.

Aquatic.

Tropidonotus umbratus, 2 var., *Daudin et*

— *stolbatus*, *Linn.*

— *schistosus*, *Daud.*

Cerberus cinereus, *Cuvier.*

Venomous Serpents.

Fam. *Viperidæ.* Vipers.

Terrestrial.

Bungarus candidus, *Linn.*

Naja lutescens, var. *nigra.*

Arboreal.

Trionocephalus hypnale, *Wagler.*

— *Grammeus*, *Shaw.*

**Trimesurus Ceylonensis*?, apud *Gray.*

Megæra trigonocephala, *Wagler.*

Daboia elegans, *Gray.*

— *Russellii*?, *Gray.*

N.B.—There are about six or eight more Ceylon snakes which have not yet been identified.

Order CHELONIA.

Fam. *Testudinidæ.*

Testudo Indica, *Gmelin.*

— *stellata*, *Schweig.*

Fam. *Emydidæ.*

Emys trijuga, var. *Emys seba*, *Gray*, apud *Blyth.*

Fam. *Trionycidæ.*

Emyda punctata, *Gray.*

Fam. *Chelonidæ.*

Caretta imbricata, *Gray.*

Chelonia virgata, *Gray.*

Order EMYDOSAURIA.

Fam. *Crocodilidæ.*

Crocodilus porosus, *Schweig.*

— *palustris*, *Lesson.*

— *bombifrons*, *Gray.* *C. palustris*, male, apud *Blyth.*

AMPHIBIA.

Order BATRACHIA.

Fam. *Ranidæ.*

Rana cutipora, *Dum. et Bib.*

- Rana Malabarica*, Dum. et Bib.
Bengalensis, Gray.
tigrina, Daudin.
Newera Elliana, n. s., nobis.
Kandiana, n. s., nobis.
Leschenaultii?, Dum. et Bib.

Fam. *Hylidæ*.

- Polypedates leucomystax*, Gravenhorst.
 — *cruciger*, Blyth.
 — *stellata*, nobis (Prod. F. Z. p. 194).
Limnodytes mutabilis, n. s., nobis.
 — *maculata*, n. s., nobis.

Fam. *Bufo*nidæ.

- Bufo melanostictus*, Schneider.
Engystoma marmorata, Gray.
 — *cinnamomea*, n. s., nobis.

N.B.—Mr. Blyth in his Report (J. A. S. Bengal, No. 4. 1853) enumerates among the reptiles we sent him the following new species:—*Rana robusta*, *Limnodytes lividus*, *L. macularis*, *Pyxicephalus fodiens*, Jerdon, and *Engystoma rubrum*.

Order PSEUDOPHIDIA.

Fam. *Cæciliidæ*.

- Ichthyophis glutinosus*, Gray.

PROCEEDINGS OF LEARNED SOCIETIES.

ZOOLOGICAL SOCIETY.

July 22, 1851.—John Edward Gray, Esq., F.R.S. &c., Vice-President, in the Chair.

DESCRIPTION OF FIFTY-FOUR NEW SPECIES OF HELICEA, FROM THE COLLECTION OF HUGH CUMING, ESQ.

BY DR. L. PFEIFFER.

1. *STREPTAXIS DISCUS*, Pfr. *S. testá latè umbilicatá, discoides, subregulari, lævigatá, albido-hyaliná; spirá pland, vertice prominulo; anfractibus* $6\frac{1}{2}$, *vix convexiusculis, irregulariter varicosis, ultimo depresso, subtus deviante, pone aperturam rotundato, deflexo; aperturá subhorizontali, transversè sinuato-auriformi, plicá obliquá parietali et dentibus peristomatis coarctatá; peristomate candido, reflexo, margine supero impresso, obsolete dentato, dextro dente distinctiore munito, basi intus transversè calloso.*

Diam. maj. 14, min. 11, alt. $4\frac{1}{2}$ mill.

Hab. — ?